H5775

Hydrog. No 113 / 13 Date, 1 uly 9 , 19/
Hydrog No H 5775 Date, July 9 , 19/2 Side Neh Electric Real Et Leats 30 Us.
Turns 10 Cor'n Depth 60 fms.
Turns 160 Cor'n Depth 60 fms. Sdg. Cup Arming (Sft Son) Amt. Bot'm Sample - Ant lead Character of Bottom - Fort lead
Thermon. $ \begin{cases} Make & - \\ No, & - \end{cases} \begin{cases} Instr. \\ Stem. \end{cases} $
Bottom Reading Cor'd Temp.
Thermom. \{\begin{align*} Make & Cor'n \{Stem. \\ Stem. \end{align*} & Cor'd Temp. \\ Temp. Surf. \{\text{Time } 7:3\} & Air \\ \text{Time } \}
Density: Surffms.
Wind: Direction Westerly Force
Density: Surf. fms. Wind: Direction Westerlag Force 2 Baromet. 30, 0) Ant. of 9 State of 9 Weather 32
TO DESCRIPTION OF THE PROPERTY
Direction and Force $ \begin{cases} Surface \\ of Current. \end{cases} Bottom$
Tide
General Locality Of Columbia River
NOTETAL OF
Position No Me recard News J 36 - (Vine) Clarkey
Position North Head bears N 56 E (True) distant Ohart used: No. 6100 Edn
Drift: Direction Distance
Drift: Direction Distance Depth of Haul
Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks:
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks:
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks: Left less just as it was at the sail, Coming ye.
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks: Left less just as it was at the sail, Coming ye.
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks:
Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks: Left less just as it was at the sail, Coming ye.

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SOUNDING WIRE. M. DOWN. UP. J2 M. 35 10 7 36 50 35 50 7 36 00			FMS.	DREDGING CABLE.					
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Hydrog No. 5 776 Date, July 9, 19 5
Hydrog No. Date, July 9, 19 Sdg. Mch. Lectric Reel Steed Dis. Turns Cor'n Depth Sms. Sdg. Cup Annuag on Amt. Bot'm Character of grave Smith Bot'm Readon Smith Bot'm Thermon. Make Cor'n Stem. Bottom Reading Cor'd Temp.
Turns Depth 68 fms.
Sde Com Program of Amt. Bot'm
Character of
Bottom Bottom
(Make(Instr.
Thermom. \\ \(\mathcal{N}_O. \) \(\sum_{o} \) \(
Bottom Reading Cor'd Temp.
(-540 Time \$105) (62
Temp. Surf. \ Air
(and the second of the second
Temp. Surf. Time Time Time Air Density: Surf. Wind: Direction Obest Force 1-2 Baromet 30.08 Ant. of State of Sea Weather
Wind Direction Office 4
Wind: Direction. System Force
Baromet. 3 D. 1 & dmt. of State of Sea
Weather Se
Surface
Direction and Force
Direction and Force Surface Bottom
Tide
1000 s - 1 000 1.
General Locality Off Mouth of Columbia
General Locality Off Mouth of Columbia
River North Head hears N670F (True) Vistant
Position North Head hears N 67°E (true) listant
Position North Head hears N 67°E (true) distant Chart used: No. 6100 Ed'n 13.4 miles
Position North Head hears N 67° E (true) distant Chart used: No. 6100 Earn Distance
Position North Head hears N 67° E (true) distant Chart used: No. 6100 Edn Distance Depth of Haut
General Escatity Off Month of Columnia Position North Head hears N 67°E (true) distant Chart used: No. 6100 Ed'n Distance Depth of Haul Apparents and Risherd
General Locality Off Month of Colombian Position North Head hears N 67°E (true) distant Chart used: No. 6100 Ea'n Distance Depth of Haul Apparatus and Ris used
General Locality Off Month of Colorador Position North Head bears N 67°E (true) listent Chart used: No. 6100 Ed'n Drift: Direction Depth of Haul Apparatus and Ris used
General Locality Off Month of Colombia Position North Head hears N67°E (true) district Chart used: No. 6100 Edin Drift: Direction Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used
General Locality Off Month of Colorador Rives Position North Head hears N67°E (true) district Chart used: No. 6100 Ed'n 13.4 mills Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing h. m. Remarks: E 60 fmg: Metro which 124; = 6 6 fmg.
Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used
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Drift: Direction Distance Depth of Haul Apparatus and Rig used
Drift: Direction Distance Depth of Haul Apparatus and Rig used

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(4	40 Time 8:20, 61°	
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Density: Surf.	fms.	
Wind: Direction	Obest Horce 1-2 & Ami. of g State of Sea Sea	
Baromet. 30.00	& Amt. of State of Sea	
Weather be		
Direction and Fore	Surface	
Direction and Force of Current.	Bottom	
Tide		
	1 non. +1 1 n 1 1.	
General Locality	If Ill oull of Columbia	
Kives.	ffMouth of Columbia	
Position North He	6100 Edin listant	-
Chart used : No	6100 Ed'n	
Drift: Direction	Distance	
Drift: Direction Depth of Haul	Distance	
Drift: Direction	Distance	
Drift: Direction Depth of Haul	Distance	
Drift: Direction Depth of Haul	Distance	
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	- Z
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	7
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	7
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	N. C.
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	7
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	7
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	
Drift: Direction Depth of Haul Apparatus and Rig	Distanceused	70
Drift: Direction Depth of Haul Apparatus and Rig Remarks: £.120	Distanceused	

		IG WIRE.		FMS.	DREDGING CABLE.				
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moder of 178 Date, July 9 , 1915 - sag. Mich. Electric Red Electric Leads 30 Us.
Salg, Meh. Wild los. Regl (Many Lead) Ol los.
Turns Depth Depth fins.
Stop. Mch. Electrici Regl Electrici
Thermon. Bottom Reading Cor'd Temp.
Bottom Reading Cor'd Temp.
Temp. Surf. Strong S. M.S. Air Air
Density: Surffms.
Wind: Direction Alexa Porce 2
Density: Surf. Wind: Direction Aux Force L Baromet, 30:08 Ant. of 7 State of Sea Weather &
Weather A. A.
Direction and Force $Bottom$
Tide
General Locality Off mouth bolumbia River
Position North Head bears N86/1°E (true) distant Chart used: No. 6100 Ed'n 15.8 muits
Chart used: No. 6100 Ed'n
Drift: Direction Distance
Depth of Haul.
Apparatus and Rig used
Time towingh.
Remarks: E 87 forms: Metershal 176 - 96 forms

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DI A DELA
Deck Officer As Shepley. Recorder Ble Day 11-1023

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Irredge Solf Silly	Date,	7 /	.′	, 19-
Sdg, Mch.	Ree	i	Shot \ Lead}	20 . 1bs.
Turns Cor			epth77	fms.
Sag. Cup Granuica (ed. Character of Bottom.	Tacol An	nt. Bot'm Sample . 'A	/	par No. Spr. Alle SEE SEE SEE SEE SEE SEE SEE SEE SEE SE
Thermom. ${Make \atop No.}$		Cor'n {	em.	
Bottom Reading		Co	r'd Temp.	
Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Time &	58	Air	
Density: Surf.			fms.	
Wind: Direction Le	xt.	Fore	2	
Baromet. 1.09	Amt. of Clouds	7	State of Sea	
Weather	1 .			
Direction and Force Sur				
Tide				
General Locality	241 -			
Position North Head 1	hears No	89/2ºE (true) des	itant
Chart used : No 6			/6.	Smile
Drift: Direction			Distance	the control of the set the set of
Depth of Haul				
Apparatus and Rig used .				
,,				
Remarks L. E. 9	-//	ime towing inches		77/4

Deck Officer & Ship

Recorder Salah

Bredde No. 575 Date, /
Sd.g. Mch. Ret Shot Lead - 1bs.
Turns Cor'n Depth fms.
Sug. Cup
$Thermom. \begin{cases} Make & \begin{cases} Instr. \\ \\ No. \end{cases} \end{cases}$ $Stem.$ $Solution Reading & Cor'd Temp.$
Bottom Reading Cor'd Temp.
Temp. Surf. \ \(\frac{\(\frac{5\lambda^{\circ}}{\(\frac{1}{100}\)} \) \(\frac{100}{100}\)
Density: Surf. fms.
Wind: Direction 11431 Force 2-3
Baromet, 30-09 Amt. of 7 State of Sea
Weather L.
Direction and Force Surface of Current.
Tide
General Locality
Position North Head bears S88°E (true) distant.
Chart used: No. 6100 Ed'n
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
nomarko : 21 / Love Sheet 1 - 1

11-1023

SOUNDING WIRE.	2224.1	DREDGING CABLE.				
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Dredge NoH5781	Date,	/~::		, 19
Sdg. Mch.	Reck		Shot \	.50 lbs.
Turns Cor'n		Dept	*2.	fms.
Sdg. Cup	Amt	Sample	2	
Character of Bottom ('	. 1	fore gas	·
Thermom.		Cor'n Inst		
Bottom Reading			I. Temp.	
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Temp. Surf.	Time 7		dir	
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Wind: Direction !		Force		
Baromet. 30.00	Amt. of Clouds	,	State of Sea	
Weather	fo			
Direction and Force Surface of Current.				
Tide .				
A =====			-	
General Locality .:	ata			
		,	4.	
Position North Head bee		SOE (true	() des	wiles.
Chart used: No. 6100	D Ed	'71	17.8	
Drift: Direction		. Dis	lance	
Depth of Haul				
Apparatus and Rig used				
	, Tim	e towing	<i>h</i> .	m.
Remarks: 1. L.			*	

Dreitge No. 15.782 Date,
Sag, Mch. Charter Red Shot Load 20 1bs.
Turns Cor'n Depth 76 /2 fms.
Sdg. Cup 2
Character of William Cond
(Instr.
Thermom. Cor'n Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. Time
Density: Surffms
Wind: Direction 211321 Force 2-0
Baromet. 30:00 Amt. of 7 State of 9
Weather
Direction and Force Surface Greent.
Tide
General Locality
Position North Head bears S82/2 E (true) distant
Chart used: No. 6100 Ed'n 7
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing h. m.
Remarks !

Deck Officer

Ercorder

11--- Re23

Dredge No. /	Date,			, 19
Sdg. Mch.	Reel	13-1	Shott Leads	1hs.
Turns Co	or'n	Depth	711/-	fms.
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Character of Bottom	13 - T			
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Density: Surf.			ms.	
Wind: Direction	44.	Force		
Baromet.	Amt. of Clouds	n St	ate of Sea	
Weather	1			
of Current	rface		*******	
Tide.				
General Locality 2 Enn	orth Statu	ndra i		
Position North Head	Lecars S80	12. E (true) distan	l
Chart used: No. 61			19.6 mil	les
Drift: Direction		Dista	nce	
Depth of Haul				
Apparatus and Rig used				
	Time	etowing	//.	
Remarks: 1 1.		1.7		m.
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Deck Officer

Recorder &

11-4023

11-1	023						
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Dredge No.	. Date,	1,	0	, 19
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Sde. Cun Manage Character of Bottom Thermom. Make	Praces Am	t. Bot'm Sample A S (Ins		<u> </u>
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Bottom Reading		Cor	d Temp.	
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Density: Surf.	_L		- fms	
Wind: Direction.	est	. Force	2	·
Baromet. 21.00	Amt.of Clouds	1	State of Sea	9
Weather				
Direction and Force Sur, of Gurrent. Roll				
General Locality				and the state of the contract on the contract
Position North Head Chart used: No. 61	bears &		(true) d	islant.
	K	d'n		
Drift: Direction		1)	istance	
Depth of Haul				
Apparatus and Rig used .				
Remark . L	Ti	me towing	h	

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SOUNDING WIRE. FMS.	DREDGING CABLE.
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Drade Nolla 1 Date,	C. h.	0	19/5
Hydrog 3	dany	Strat	12 H
Sdg, Mch. Rec		Leads	1bs.
Turns Cor'n	Depth	2	fms.
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Character of Bottom UM i- All Vigent	MARKET X	rartici,	
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Thermom.	Cor'n Stem		
Bottom Reading		Temp.	
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Temp. Surf.	{	.dir	6.
Time)	'	
Density: Surf		fms.	
Wind: Direction	Force	1	
Baromet, 30:08 Amt. of Clouds		State of Sea	
Weather			
Surface			
Direction and Force Surface of Current.			
Tide			
General Locality Comontine	admitte,	Ai.	
	116/2		
Position World Head bears	S770E(V	me) de	sland
Chart used: No. 6100	Ed'n	21.) mucs
Drift: Direction	Di	stance	
Depth of Haul			
Apparatus and Rig used			
	Time towing		$h_* = m_*$
Remarks: 1. 7:	.*		

Deck Officer the Stable Recorder & Can 11-1023

SOUNDING WIRE.	******	DREDGING CABLE
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Hydrogs So. Date, 19
sag. Mch. Olectric Reel Shot 80 1bs
Turns Cor'n Depth . fms
Sdg. Cup
Character of Bottom V State Man
Thermom. Make U. M. Strmtr. No. Cor'n Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Time Time Air
Density: Surf. fms.
Wind: Direction / Porce
Baromet. Joseph Amt. of & State of Z
Weather
Direction and Force Surface of Current. Bottom
Tide
CONTRACTOR AND
General Locality of says
Position North Head bears 5150 F (true) distant
LION LOS MILLES
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing h , m . Remarks: $F \not = f$

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SOUNDING WIRE.	FMS.	DREDGING CABLE.			
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Sdg. Cup	- Storak	Amt. Bot'm Sample		,
Character of Bottom.	Black 1	Lans of	. ():	,
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Thermom. $_{No.}$		Cor'n SI	em.	
Bottom Reading	there have seed seem speed state and table to the time and the time to	Ço	r'd Temp	
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Baromet.	Amt. of Clouds	, 6	State of Sea	.Z .
Weather .	_ /_			
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Tide				
General Locality		-		
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Drift: Direction		1	Distance	
Depth of Haul	*******	***		
Apparatus and Rig us	ed			
Remarks:		Time towing	". /!: *	т. и ,

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Turns	Cor'n		Depth	= 7	ſms
Sag. Cup bearing	delinet!	Amt. Bot'n Sampl	P		
Character of Bottom			',"	. 1:	
Thermom.		(Instr.		
No.		Cor'n {	Stem.		
Bottom Reading		(Cor'd Temp.		
	Tin	ne 10:34)		
Temp. Surf.	Tin	ie	.lir		
Density: Surf.			fms.		
Wind: Direction	Mor.	For	ee /		
Baromet. 30:0	Amt. Cloud	of 8	State of Sea	r	
Weather	Si	~			
Direction and Force of Current.	Surface Bottom				
Tide					
General Locality					
Position North A	end hear	572°E	(true)	distai	
Chart used: No	6100	_ Ed'n	. /	9. 1. mit	4
Drift: Direction			Distance		
Depth of Haut					
Apparatus and Rig 1	used				
		Time towin	15	h.	<i>m</i> .
Remarks: F . :					

SOUNDING WIDE				
SOUNDING WIRE.	FMS.	DREDG		
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Irredae No./	89 Date			, 19.45
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Turns	Cor'n .	De_{I}	oth	fms.
Sag. Cup A MANY Character of Bottom	(sell rente) A	mt. Bot'm Sample		
Thermom. $\left\{ egin{aligned} \mathcal{M}ake & \dots \\ \mathcal{N}o. & \dots \end{aligned} \right.$		Cor'n Ins		
Bottom Reading		Cor	'd Temp.	
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Density: Surf.	1		fms.	
Wind: Direction		Porce		
Baromet. 30:08	Amt. of Clouds	6	State of Sea	ىن بىرى
Weather	5	C/		we can not come with a med disk did not one the disk disks
Direction and Force of Current.	Surface			
Tide				
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General Locality	moult So	rdnacia		
Position North He	ad bears S	71/2°E(V	rue) oli	stant
Chart used: No			17.6	ander
Drift: Direction		,	Distance	
Depth of Haul				
Apparatus and Rig	used			
Remarks F 16	/	Time towin	j 200	. m.

	A - I
Dredge No./ Da	le, , , 19
to late to a	Reel Shot So 1bs.
Turns Cor'n	Depth (fms.
Sd.g. Cup	.Imt. Bot'm Sample
Character of Boltom	
(Make	Instr
Thermom.	Cor'n Stem.
Bottom Reading	Cor'd Temp.
Temp. Surf. Time	1/07 } Air
Density: Surf.	fms
Wind: Direction Allo	Force
Baromet Amt. of Clouds	State of Sea
Weather	Lance
Direction and Force Surface of Current.	
Tide	
ACCUSE IN STATE AND ADDRESS OF COMME	
General Locality	
	1.
Position North Head bear	S71ºE(true) distant
Chart used: No. 6/00	Ed'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
Remarks: / 1 /	Time towing h. m.

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Recorder GAGA

11---1023

1 / "
Breage No. H 5'19 Date,) , 19
Sag. Meh. Olechin Reel Bhot 5 16
Turns Cor'n Depth 30 /2 fm Sdg. Cup Sample Character of Margater o
Character of ANAI - (1)
Thermom. $\begin{cases} Make & . & . \\ No. & . & . \end{cases} \begin{cases} Instr. & . \\ Stem. & . \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Density: Surf. fms.
Wind: Direction - Nil Ti Porce
Buromet, 31:08 Amt. of State of Sea
Weather ,
Dissolion and House (Surface
Direction and Force of Current. Bottom
Tide
Annual 1886 Annual 1886 C. S.
General Locality
No all and a second of the second
Position North Head hears & 70°E (true) distant
Chart used: No. 6100 Ed'n
Drift: Direction . Distance
Depth of Haul
Apparatus and Rig used
Time towing . h. m
Remarks: 1 de detro Late 90
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Deck Oper de Ship

11—1023		,
SOUNDING WIRE.	FMS.	DREDGING CABLE.

Dredge Nott 5 192 Date, 19
Sdg. Mch. Weller Real State . 1bs.
Turns Cor'n Depth . 1 / fms.
Sag. Cup. Comm Amt. Bot'm /Sample Character of Bottom
Thermom. $\begin{cases} Make \\ Yo. \end{cases} Cor'n \begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf. { Time
Density: Surf. fms.
Wind: Direction Force
Baromet. 30: 10 Ant. of State of Sea
Weather
Direction and Force Surface of Current. Buttom
Tide
General Locarry Landouth belowing River
Position North Head hears N 84°E (true) distant
Chart used: No. 6100 Billin
Drift: Direction
Depth of Haul
Apparatus and Rig used
Remarks F . Time towing h. m.

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Bydrog No. Date, ,19
Sag. Meh. Worth Reet (Shot) 1bs.
Turns Gor'n Depth 218 fms.
Sag. Cup Amt. Bot'm Sample
Character of Holling Marine
Thermon. { Maker Cor'n}
Thermom. { Cor'n { Stem.
Bottom Reading Cor'd Temp.
(565 Time 12:47) (66°
Temp. Surf. Air
Drnsity: Surf. fms.
Wind: Direction Illand Force 2
Baromet. 20.10 Amt. of State of Sea
Weather
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Tide
General Locality Hangooth Columbia Chin
[:]]
Position North Head becars N82º E (true) distant
Chart used: No. 6100 Edin 14.2 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing
. 1-1 11t. 12 pm - 218
Remarks:

Bredge No. ! Date	,	, 19.
Sd.g. Mch Re	rel	Shot \ Lead \ . Ibs.
Turns Car'n	Depth	fms.
Sag. Oup frame Se	lmt. Bot'm Sample	
Character of A / L /	.)	
Thermom.	$Cor'n$ { $Instr.$	
No.	Stem.	
Bottom Reading	Cor'd T	emp
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Density: Surf.	f	ms.
Wind: Direction	Force	
Baromet. 30:10 Amt. of Clouds	St	ate of Sea
Weather	Z	
Direction and Force Surface Bottom		
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General Locality .		
****	1200 F H-	2 00:1-1-
Position North Head bears A		15.5 miles
Ohart used: No. 6100	Ed'n	3
Drift: Direction	Distar	uce
Depth of Haut		
Apparatus and Rig used		
	Time towing	,
. 7	time towing	h. m .
Remarks:	-/	/

11-1023

Deck Officer

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Breage No. 45 795 Date,	, 19
Sag. Mch. October Rec	t Shoti I lbs.
Turns Corn	Depthfms. mt. Bot'm Sample
Character of Bottom (Make	(Instr.
Thermom. $\begin{cases} Make \\ No. \end{cases}$	Cor'n Stem.
Bottom Reading	Cor'd Temp,
Temp. Surf. Time) .1ir
Density: Surf.	0 M/ fms
Wind: Direction	Force
Baromet. 50.10 Amt. of Clouds	3 State of Sea
Weather	
Direction and Force Surface of Current.	
Tide	
NO	
General Locality (CATALLECTION	Marks Marks Marks
Position North Head bears.	N 80°E (true) distant
Chart used: No. 6100	Ed'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
	Time towing h. m.
Remarks of 1	4.4

Deck Officer Mis Mills

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SOUNDING WIRE.	FMS.	DREDGING CABLE.			
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Dredge No. 1 Date,	, 19
Sdo. Mch Reel ' Shot Lead	} 1bs.
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Character of Bottom	
(Make (Instr.	
Thermom. {	
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Density: Surf fms.	
Wind: Direction / Porce	
Baromet. 30:09 Amt. of State of Sea	
Weather	
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Direction and Force Surface Other Bottom	
Tide	
General Locality	
/	
Position North Head bears N 85° E (true) de	slaul
Chart used: No. 6100 Ed'n	nuces
Drift: Direction Distance	
Depth of Haul	
Apparatus and Rigused	
Time towing	h, m ,
Remarks Z. 1017	1

Deck Officer Reco

Recorder 3 /a st 10

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Broude No. Date, 197
Sag. Mch. Collette Reel Shot Leads 11s.
Turns Cor'n Depth 28 /2-fms
Sag, Cup (ming of a col Amt Bot'm Sample
Bottom an anna - fund (gr); in
Thermon. $\begin{cases} Maker & & & & & & \\ Mostr. & & & & \\ No. & & & & \\ \end{cases} \\ Stem. \\ \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf. Time / 59 Air
Density: Surf fms.
Wind: Direction Survey Still Proces 3
Baromet. 3. 69 Amt. of State of Sea
Weather
Direction and Force Surface of Current.
Tide
General Locality
Position North Hoad bears N 88° E (True) distant
Thart used: No. 6100 Ed'n 18.6 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing h. m.
temarks: T

Deck Operator Since Recorder Level Sont

SOUNDING WIRE.	DREDGING CABLE.
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Dredge Hydrog No. Da	te, Huy 9 ,19!	
Sdg, Mch.	Reel fold Shot & the	ÿ.
Turns Cor'n	Depth 81/2 fms	3.
Sdg. Cup	Amt. Bot'm Sample	
Character of Bottom		
(Make	(Instr	
Thermom. $\{_{\mathcal{N}_O},$	Cor'n Stem.	
Bottom Reading	Cor'd Temp,	
(Time		
Temp. Surf.	Air	
Density: Surf.	fms.	
Wind: Direction Line	Force	
Baromet. 31:11 Amt. o. Clouds	State of Z	
Weather :		
51 5 to to a section 1		
Direction and Force Surface of Gurrent.		
Tide		
Shill & fink bosoness a	The William St. Adv. Science	
General Locality		
	871/2"	
Position North Head bears	N 88.0 E (true) distant	
Chart used: No 6100	19.6 miles	
Drift: Direction	Distance	
Depth of Haul		
Apparatus and Rig used		
	Time towing h. m.	
Remarks :- /		

Bredge No/ 5 / Dat	ie, , 19/~
Sag. Meh. Condition 1	Reel Co Strong 30 lbs.
Turns Cor'n	Depth // A fms.
Sag. Cup (Exercise ye of a	Int Boy'm Surjete
	Int did in
Thermom. $\left\{ \begin{matrix} Make \\ No. \end{matrix} \right.$	$Cor'n$ $\begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading .	Cor'd Temp.
Temp. Surf. Time	21.15 dir
Density: Surf.	,
Wind: Direction	Force
Baromet. 30.11 Amt. of Clouds	H State of of
Weather -303	
···· ·	
Direction and Force Surface of Current. Bottom	
Tide	
	*** *** ** ****
General Locality	1
La production of	1/
Position North Head bear	oN870E (true) distant
Chart used: No 6/00	Ed'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
	Time towing
Remarks: 2. 69 21. 11	142 77/4

Deck Officer 1 1 Course of Recorder 1 1 11-1023

SOUNDING WIRE.	FMS.	DREDGING CAB	L10.
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Hydrog No. 5-800 pate, July 9 1910-
Site Meh. El office Red Co. Short 30 ths.
Turns Cor'n Depth79fms.
Sdg. Cup Character of Bottom State
Thermon. $\begin{cases} Make & Cor'n \\ No. & Stem. \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf. 560 Time 229 Air 650
Density: Surf. fms
Wind: Direction & Off. Force
Baromel. 20, 11 Amt. of A State of L
Weather 200
Direction and Force $Surface$ of Current.
Tide
General Locality Colling the Comming Sind
Position North Head bears N 86/2° E (true) distant
Chart used: No. 6100 Ed'n
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towingh,m,
Remarks: 6.70 days 20 1/4 = 7/ 410
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11-1023

Hydrog S. No. 5 6 1 Date, July 19 , 19	15-
Sag. Meh. Circlic Red Col Leady 30	
Turns Cor'n Depth & 3/2 fr	
Sag, out the ing of the Amt Bot'm	
Character of Oth O"	
Thermon, $\begin{cases} Mak^{r} & \text{Cor'n} \\ No, & \text{Stem.} \end{cases}$	N. M. L
(No. Stem.	
Bottom Reading Cor'd Temp	No etc 140
Bottom Reading Cor'd Temp. Temp. Surf. Time 2,3 4 P Air	
Density: Surffms.	
Wind: Direction S. O. Rorce	
Baromet, Saill Ant. of 4 State of Sea	
Weather - St.	
Direction and Force Surface of Current. Bottom	
(Bottom	
Tide.	
General Locality	2
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Provision North Head bears N 8640 Flores district	_
Pasition North Head hears N 86/2° E (true) distant Ohart used: No. 6. 100 Ed'n 22,00 mule	
ATTO TV STATE OF THE STATE OF T	
Drift: Direction Distance	
Depth of Haul	
Apparatus and Rig used	
Time towing	n.
Remarks: 274 - 12 - 824	1.113

Deck Officer Sill Consider Meanter In 1023

11—1023	TA Manhaman				
SOUNDING WIRE.		DREDGING CABLE.			
M. Down, Up. P. M.	FMS.	M. Dows,	UP.	. М.	
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Hydrog. No. 3-4	-02 Date,	ب بأعدثك	, 19 / 3	~
Sdg. Mch. C.Co.	112 Reel	BH.	$\{\begin{array}{ccc} \overline{oi} \\ ad \end{array}\}$. \mathcal{SO} . Ibs.	
Turns	Cor'n	Depth 3	109 1 fms.	
sag. oup Comer	1 - 1/1/1t's	Bot'm ample		
Character of Bottom	·) •			
Thermom.		(Instr.		
Thermom.	C	$for'n \begin{cases} Instr. \\ Stem. \end{cases}$		
Bottom Reading		Cor'd Ten	p	
Temp. Surf.	6 Time 2	1000	6.60	
Temp. Surf.	Timr	} A	ir j	
Density: Surf.		fms		
Wind: Direction		1 071.	3	
Baromet. 30.11	Amt. of Clouds	State	of -'	
Weather Len			lan par ann ann ann ann ann ann ann ann ann a	
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Diseasion and Force	Surface			
Direction and Force of Current.	Bottom			
Tide				
General Locality .	12:1-16.	.		,
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Position North He	ad bears N86	1/2° E(true)	distant	
Chart used : No.	6100 Ed	2	3.5 mule	
Drift: Direction		Distanc	,	
Depth of Haul	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
Apparatus and Rig 1	ised			
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Remarks: C. 1/1	1200175		:74 - : 1:	13

11-1023					
SOUNDING WIRE.	TABLEC	DREDGING CABLE.			
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Hydrog. No. 5-803	Date, July 9	, 19 / 8
Sag. Meh. Coct	Red Lead	30 1bs.
Turns Cor'n		
Sdg. Cup	Les Amt. Bot'm	
Character of Bottom		
Thermom. $\left\{ \begin{matrix} Makr \\ No. \end{matrix} \right.$	Cor'n $Instr.$	
No.	Stem.	,
Bottom Reading	Cor'd Temp.	
Temp. Surf.	Time Sils P	1 , 1
Density: Surf.	fms.	and the section that yet the stranger too the time that the
Wind: Direction	V. Porce 2	
Baromet. 30,10.	Amt. of State of Sea	2
Weather of		
Direction and Force Surface of Current,	ее	
Tide		
	The second secon	,
General Locality		Lia
	hears S87/2°E(true) de	stant
Chart used : No. 6/00	Ed'n 22.0	's miles
Drift: Direction		
Depth of Haul		
Apparatus and Rig used		
***************************************	Time towingh	·
Remarks: 2277	1. d. no 1 1.	-4. 54. P
		,

Deck Officer 7 3. 1 10 1 Recorder Chillians

Breaks No. 5-604 Date, June: 1 , 19'
Silg. Mch. Clect Red Shot & C 11s.
Turns Cor'n Depth & Z fms.
Sag. Cup
Thermom. $\begin{cases} Make & Cor^*n \\ No. & \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf. S.G. Time S.43.0 Air Air
Density: Surf. fms.
Wind: Direction L. 26. Porce 2
Baromet. 30.10 Amt. of 4 State of Sea
Weather - 25
Direction and Force Surface of Current.
Tide
7.00 a
General Locality (1997)
Position North Head bean \$80°E (true) distant
Chart used: No. 6100 Ed'n 21.8 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing h , m .
Remarks: 18 2 2 16 12 16 12 16
Remarks: 121/9 2 , 12. 22. 72.

Hydrog No. 4.505 Date, Comments, 194
Sag. Meh. Cheet Reel Shoth 30 lbs.
Turns Cor'n Depth 292 fms.
Sag. Cup/4 (Amt. Bot'm Sample
Character of 1 Was hate
Thermom. { Make Cor'n Instr.
Thermom. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottom Reading Cor'd Temp.
Time .
Temp, Surf.
Density: Surf fms.
Wind: Direction // Force
Baromet, 30:09 Amt. of If State of Sea
Weather
Direction and Roma Surface
Direction and Force of Ourrent.
Tidr
General Locality
7
Position North Head bears \$ 66/2° E (time) distant.
Chart used: No. 6100 Ed'n 22.7 suiles
Drift: Direction
Depth of Haul
Apparatus and Rigused
Time towing
Remarks: d
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11-1023					
SOUNDING WIRE.		DREDGING CABLE.			
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Dredge Nott	De	ttr,		, 19
Sdg. Meh.		Reel .	Shot	30 Tbs
Turns	Cor'n	1	rpth.) word p
Sdg. Cup		Amt. Bot'm Sample		, , , ,
Character of Bottom		h		
Therman. Make		Cor'n	nstr tem	
Bottom Reading	************	C	or'd Temp.	
Temp. Surf.	56° Tim			
Density: Surf.			fms.	
Wind: Direction	KKKKI	For	***	
Baromet, 50	QZ Amt. o	1 4	State of Sea	L
Weather	5.			

Direction and For of Current.	rce Surface Bottom			
Tide				
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General Locality				
Position North			E(tru)	distant
Chart used: No.	6100	. Ed'n		O.D suice
Drift: Direction.			Distance	
Depth of Haul				
Apparatus and Ri	g used			
		Time towin	e.	n. m .
Remarks: 2.	.		Ĭ.	
	1.77			
	17			

Deck Officer Al Duck Recorder &

SOUNDING WIRE.			DRED	DREDGING CARLE		
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M. Down, Up.	M.		M. Do	WN. UP.	M	
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Dredge No. 5807 Date, William 1948
sag. Mch. Elact Real El Shot & 1bs.
Turns Cor'n Depth 46 fms.
Sag, Cup Sample
Character of Eng. 9
Thermon, $\left\{ egin{array}{ll} Make & & & & \\ No, & & & & \\ No, & & & \\ \end{array} \right\} \left\{ egin{array}{ll} Instr. & & & \\ Stem. & & \\ \end{array} \right.$
Bottom Reading Cor'd Temp.
Temp. Surf. {
Density: Surf
Wind: Direction. Force 3
Baromet. 30. 12 Amt. of 8 State of C
Weather
•
Direction and Force Surface Bottom
Tide
The state of the s
General Locality of Group Harting The.
Position grays Harbor Light bears S67° E (true) distant Chart used: No. 6400 Ed'n
Chart used: No. 6400 Ed'n
Drift: Direction
Depth of Haul
Apparatus and Rig used
$Time\ towin \ ? \qquad h, \qquad m.$
Remarks:

Deck Officer Mr. Sho they Recorder Agris 1-11-1023

Hydrog No. 500 Dat	ie, July 30 ,1913
Sag. Mch. Locker 1	Reel El. Short 3 1bs.
Turns Cor'n	Depth 49/Ams. Amt. Bot'm Sample
Sdg. Cup Printer Charles	Amt. Bot'm Sample
Character of Cos G	
Thermom. $\left\{ egin{aligned} Make & \dots \\ No. & \dots \end{aligned} \right.$	$Cor'n$ $\begin{cases} Instr. \\ Stem. \end{cases}$
Rottom Reading	Cor'd Temp.
Temp. Surf. Time	8:43 a 620
Density: Surf.	fms,
Wind: Direction 7070	
Baromet. 30. 12 Amt. of Clouds	8 State of C
Weather	
FRM1 RADA	
Direction and Force Surface of Current.	
Tide	
2,11	1/ 0 () 1/4
General Locality CH Myr	ays Harbor, W
General Locality Cf Gran	it bears S67/2 [True]
Ceneral Locality Cy Lyra Position Grays Harbor high Chart used: No. 6400	ut bears S67/2F (True)
Position Trays Harbor high Chart used: No. 6400	it bears S67/2F (True) distant 19 miles Bistance
Position Trays Harbor high Chart used: No. 6400	at bears S67/2F (True) distant 19 miles
Position Grays Harbor Light Chart used: No. 6400 Drift: Direction	at bears S67/2F (True) distant 19 miles
Position Grays Harbor Light Chart used: No. 6400 Drift: Direction Depth of Haul	at bears S67/2F (True) distant 19 miles
Position Grays Harbor Light Chart used: No. 6400 Drift: Direction Depth of Haul	at bears S67/2F (True) distant 19 miles
Position Grays Harbor Light Chart used: No. 6400 Drift: Direction Depth of Haul	at bears S67/2F (True) distant 19 miles
Position Grays Harbor Light Chart used: No. 6400 Drift: Direction Depth of Haul	the bears 567/2 F (True). distant 19 miles Ed'n Distance
Position Grays Harbor Legh Chart used: No. 6400 Drift: Direction	the bears 567/2 F (True). distant 19 miles Ed'n Distance
Position Grays Harbor Legh Chart used: No. 6400 Drift: Direction	the bears 567/2 F (True). distant 19 miles Ed'n Distance
Position Grays Harbor Legh Chart used: No. 6400 Drift: Direction	the bears 567/2 F (True). distant 19 miles Ed'n Distance

Deck Officer 2: . Recorder . Francis

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Hydrog. No. 5009	Oate, .			, 19
Sdg. Mch.	Reel	-	Shot1 Lead}	7bs.
Turns Cor'n		Depth	-33	fms.
Sag. Cup	/ Amt. Bo Sam	t'm ple		
Character of Asino	Vilaci	1. n.	2.51.	
Thermom. $\begin{cases} \textit{Make} & \\ \textit{No.} & \end{cases}$	Gor'.	$n \begin{cases} Instr \\ Stem. \end{cases}$	n and and down one day made and one may make upon any	
Bottom Reading		Cor'd T	emp,	
Temp. Surf. Tin	ne 9:00	11.1	Air \	
Density: Surf.		f	ns	
Wind: Direction : N- W.		Force	3-11	
Baromet. 30:12 Amt.	is 8	Sto	te of	
Weather &	3			
Direction and Force Surface of Current.				
Tidr				
General Locality Off Gra				
Position Grays Harbor Right Chart used: No. 6400	it hears	567/26	(true J. d	islant
Chart used : No. 6400	Ed'n		121.8	miles
Drift: Direction		Distar		
Depth of Haul				
Apparatus and Rig used				
	Time to	wing		71b.
Remarks :				

11—1023						
SOUNDING WIRE.	FMS.	DREDGING CABLE.				
M. Down. Up M.	r Mo.	M. Down.	UpM.			
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Dredge Hydrog No. 5 10 Date	e, July 20, 19 10
Sdg. Mch. Off 1	real Color Shot 35 ths.
Turns Cor'n	Depth* 12.5 fms.
Sag. Cup	Amt. Bot'm Sample
Character of Bottom) fre
Thermom. $\begin{cases} Make \\ No. \end{cases}$	Cor'n Stem.
Bottom Reading	Cor'd Temp.
Temp. Surf. Time	} -dir }
Density: Surf.	fms.
Wind: Direction - 11-11	Force 4
Baromet. 21.19 Amt. of Clouds	State of Sea
Weather	
	· · ·
Direction and Force Surface Bottom	
Tide	
A MAN AND PROPERTY OF THE PARTY	NA No. 8. V more all little desiration moves
General Locality Off Wa	eshington Coash
Position Grayo Harbor Ligh	thears S67/2°E(true) distances
Chart used: No. 6400	Ed'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
	Time towing
Remarks:	

SOUNDING WIRE. FMS. DREDGING		NG CABLE.		
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Drubin Hydrog. No.	Date,			, 19 '
Sd.g. Mch.	Reel		Shot \ Lead}	lbs.
Turns Cor'n	,.	Dept	n - 6	fms.
Sdg, cup di	/) Amt. B	ot'm mple		
Character of Bottom (Make	()	5.	1 his	n Dr.
Thermom.	C07	"n Stem		
Bottom Reading		Cor'd	Temp	the set the second and the second way one way get
Temp. Surf.	Time	38	.1ir	6/-
Density: Surf.			fms.	
Wind: Direction.		Force	- 33	
Baromet, 30:12 Am	nt. of v	10	State of Sea	
Weather	Ocm			
Direction and Womes (Surface				
Direction and Force Bottom	*****			
Tide	th the size and all property and any against the property and the			
General Locality GH	Wash	ing to	no Co.	ash
Position Frays Harbor Lu Chart used: No. 6400	ilik hoa	4 95	8°	() lit
Charles 100 6400	yw rece	VI VE	444 - (10)	25.5 mile
Drift: Direction				
Depth of Haul	the first time and that all the last sale has been sale and	Dişi	ance	
Apparatus and Rig used				
`	Time to	owing	h.	m.
Remarks:				

Dredge No. 58 12 Date,	. 1
Sdg. Mch. Ree	l Shot . lbs.
Turns Cor'n	Depth . fms.
	nt. Bot'm Sample
Character of Bottom Thermom. $Make$ $Make$ $Make$ Mo	Cor'n Instr.
Bottom Reading	Cor'd Temp.
Temp. Surf. Time	$\left. \right. \left. \right. \left. \right. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \right. \left. \right. \right. \left. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \right. \left. \left. \right. \left. \right. \left. \right$
Density: Surf.	fms
Wind: Direction /V VV	Force T
Baromet, 30:13 Amt. of Clouds	State of Sea
Weather OC	m
Direction and Force Surface	
Tide .	
Alternative Market St. St. St. St. St. St. St. St. St. St	
General Locality Off Wash	ington Coast
Position grays Harbor Lag	it bears S68°E (true
Chart used: No. 6400	id'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
Ti	me towingh,m,
lemarks:	

Dredge No	Date, .		, 19
Sdg. Mch.	Reel	· · · · · · · · · · · · · · · · · · ·	1bs
Turns Cor'	'n	Depth Y	fms
Sag. cup class	Amt. 1		
Thermon. $\begin{cases} Makr \\ No. \end{cases}$	Co	$\hat{\psi}_{n} \begin{cases} Instr. \\ Stem. \end{cases}$	
Bottom Reading		Cor'd Temp.	
Temp. Surf.	Time	} Air {	
Density: Surf		fms.	
Wind: Direction	V- 17	Force	
Baromet. 30:13	Amt. of V	State of Sea	
Weather .			
Direction and Force $\left. \left. \left. \right. \right. \right. \right. \right. \left. \left. \left. \left. \right. \right. \right. \right. \left. \left. \left. \left. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \right. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \left. \right. \right. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \left. \left. \right. \right. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \left. \left. \left. \left. \right. \right. \right. \right. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \right. \right. \right. \right. \right. \right. \right. \right. \right. \right. \right. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left. \left.$	ace		
Tide			
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General Locality Off	Washi	ugton Co.	ast
Position Grays Harb Chart used: No. 64	or Light to	car 5680 istant 29.5	E (true)
Drift: Direction	. 15tb H	Distance	
Depth of Haul	************	Distance	
Apparatus and Rig used			
apparatus ana nig usea			
	Timet	lowing h.	m.
Remarks: .			

Deck Officer All William Recorder 1 10 11 11-1023

Theology No. 58 11 Date, ,19
Sag. Meh. Roel Will Lead Us.
Turns Cor'n Depth fms.
Sag, Cúp' Amt. Bot'm Sample
Character of Bottom fine from the state of t
Thermon. $\{Make \cup S \in S \mid S \in S \}$ Cor'n $\{Instr. S \mid S \mid S \mid S \mid S \mid S \mid S \mid S \mid S \mid S $
Bottom Reading Cor'd Temp
Temp. Surf. Time / 0.3 Air
Density: Surffms,
Wind: Direction / / / Force / State of
Baromet, 30: 13 Amt. of 1 State of Sea.
Weather - "
Direction and Force $\begin{cases} Surface & \dots \\ of Current & Bottom \end{cases}$
Tide
General Locality Off Washington Const
Position Grays Harbor Light bears 5680 Flore Chart used: No. 6400 Will stant 31.5 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towingh,m
Remarks:

SOUNDING WIRE.		DREDGIN	G CAI	SLE.
M. Down. Up. A.M.	FMS.	M. Down.		
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Drodge No. J. Date,	, 19
Sag. Mch. Chicking Reel	Shot Lead . 1bs.
Turns Cor'n	Depth K-1 fms.
5	t. Bot'm Sample
Character of Bottom	7 Kant.
Thermom. $\begin{cases} Make \\ No. \end{cases}$	$Cor'n$ $\begin{cases} Instr. \\ Slem. \end{cases}$
Bottom Reading	Cor'd Temp
Temp. Surf. Time	Air
Density: Surf.	fms
Wind: Direction N-VV	Force State of M
Baromet: 20:12 Amt. of Clouds	State of M
Weather	
Direction and Force Surface of Current.	
Tide	
General Locality off Tra	•
Position Grays Harbor Light Chart used: No. 6400	hear S 68 ° [(Ine)
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rig used	
<i>į</i> ,	Time towing h. m
Remarks: -	

Deck Officer All Called A Recorder Jack

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Bredge No	Date,			, 19
Sdg. Mch.	Reel		Shott Leads	lbs
Turns Cor'n		Depth		. fms
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Thermom. No.	C	or'n Stem.		
Bottom Reading		Cor'd	Temp.	
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Density: Surf.			ms.	
Wind: Direction - //	K.K.	Force .	- 5	
Baromet 37:12 ;	Amt. of Clouds z	Si	tale of Sea	
Weather(e	Denry			
Direction and Force Surface of Current.	r			-
Tide				
General Locality Off			-Co-	ust
Position Grays Hart	or dight le	ears S	58/201	F (hue)
Chart used: No. 640	-O Che	sloud 3	5.6	males
Drift: Direction		Dista	nce	to the first total total contract and also seek a gas a gas and may
Depth of Haul				
Apparatus and Rig used				
	Time	towing		m.
Remarks:				

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SOUNDING WIRE.	TTTTEC	DREDGING	G CABLE	
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Dredge Hydrog No. 5617	Date,		, 19
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Turns Cor'n		Depth K. ,	fms
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Density: Surf.		fms.	
Wind: Direction	For	·rp	
Baromet Al	nt. of ouds .	State of Sea	
Weather	·		
Direction and Force Surface of Current.			
Tide			
General Locality Off 7	rashing	Ton Coas	f
vosition Grays Harbor Chart used: No. 640	Light bea	1568/2°E	(lines)
Chart used: No. 640	ro Ed'n	:	1000
Drift: Direction		Distance	
Depth of Haul			
Apparatus and Rig used			
	Time towi	ığ h.	711.
Panagala			

(in)				
Bredge Hydrog.} No.	Date	,	1210	, 19 /
Sdg. Mch	Re	e1/10/100/	Shot Lead}	lbs.
Turns	Cor'n	Depi	h /0	4 fms.
Sdg. Cup/ Character of Character of Bottom		mt. Bot'm Sample	ered.	
Thermom. $\begin{cases} Make & \dots \\ No, & \dots \end{cases}$		$Cor'n \begin{cases} Inst \\ Sten \end{cases}$		
Bottom Reading		Cort	t Temp.	
Temp. Surf.	Time Time		.tir	
Density: Surf.			fms.	
Wind: Direction	- 11	Force		* **
Baromet.	Amt. of Clouds		State of Sea	,
Weather		_		
Oirection and Force)	Surface			
Tide				

General Locality (H Ma	shingt	ton Co	ast
Position Tray 1 H	arbor Light	it hears	568/20	E (True).
Chart used: No. 6	400	Ed'n	2	inclu
Drift: Direction	********************************	Dis	tance	
Depth of Haul				
Apparatus and Rig us	ed			
	T	"ime towing	h.	m.
Remarks:				

SOUNDING WIRE.	FMS.	DREDGING CABLE.			
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	Dreage No. 5 Date,
	Sdg. Meh. Reet Shott Lead! Ibs.
	Turns Depth 194 fms.
	Sag. Cupin Matt. Bot'm Sample
	Character of Rottom
	(Make
	Thermon.
	Politican Dending
	Bottom Reading Cor'd Temp.
	Temp. Surf. Time / (50)
	Time
	Density: Surffms.
	Wind: Direction / /V VV Force / 3
	Baromel. 30:12 Amt. of State of Sea.
	Weather
	1 State France
	Direction and Force Surface of Current.
	Tide
	General Locating Off Washing tix Co est
	Position grays Harber Light bears \$68/2 E (true) Chart used: No. 6400 Edislant 3816 mile
	Charlused No 6400 Chistant 38.6 mil.
	Drift: Direction Distance
	Depth of Haul
	Apparatus and Rig used
	Time towing
1	Remarks:

SOUNDING WIRE.	DREDGING CABLE.
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Bredge \ No. Date, ,19
Sdg. Mch Recl Shot Lead
Turns . Car'n Depth fms
Sag. Oup Amonth Amt. Bot'm Sample
Character of (/ Bottom
(Make (Instr.
Thermon. \\ \(\text{No.} \)
Bottom Reading Cor'd Temp.
[-2 Time/2:11]
Temp. Surf. Air
Density: Surf fms
Wind: Direction N-W Force 3
Baromet, 30:11 Amt. of 5 State of M
Weather
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Direction and Force of Current.
Tide
and Made to Coast
General Locality Off Washing ton Coast
lander & it has 51240015
Position Grays Harbor Light be are 567/2 Estime Chart used: No. 6 400 Clistant 35 5 miles
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing
Remarks:

Dradica :	
Dredge No. Date,, 19	
Sag. Meh. Sect Reel Lead 35 16	
Turns Depth SD fm	s.
Sag. Cup for a Clean Lend	
Thermon. $ \begin{cases} Make & & \\ \mathcal{N}o, & & \\ \end{cases} $	
Bottom Reading Cor'd Temp.	
Temp. Surf. 530 Time /2:37 4ir 62.50	
Density: Surffms.	
Wind: Direction 700 Force 3	
Baromet. 2. // Amt. of State of TY	
Weather Le	
Direction and Force $Surface$ of Ourrent. $Bottom$	
Tide	
General Locality . of Washington Coast	
Position Grays Harber Light bear 5670 E (True)
Position Grays Harber Light bear 5670 E (true Chart used: No. 6400 Edn 33.5 miles	
Drift: Direction Distance	
Depth of Haul	
Apparatus and Rig used	
Time towing	
Remarks:	

Deck Officer ? . Carrier . Recorder Standar 11-1023

Dredge No. 5822 Date, July 20 , 19 15
Sdg. Mch. Electrice Reel El Shot 35 1bs.
Turns Cor'n Depth 76 fms.
Sdg. Cup /Trans (Sft. Song) Sample
Character of Bottom And IT
(Make(Instr.
Thermom. {Make Cor'n {Instr. Stem. Bottom Reading Cor'd Temp. G 2 ° Time Jir
Bottom Reading Cor'd Temp.
53° rime 17:57 62°
Time July
Density: Surffms.
Wind: Direction NW Force 3
Density: Surf. fms. Wind: Direction / W Force '3 Baromet. 30-// Amt. of State of JT Sea
Weather Te
Direction and Force Surface
Direction and Force $Surface$ of Current. $Southern Bottom$
Tide
Convert Eocating Off Washington Coast
General Eccality Off Washington Coast
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Position Grays Harry Light bears 5 66° E (hue) Chart used: No. 6 400 Bain 31.5 mile
122222222222222222222222222222222222222
Position Grays Harry Light bears 5 66° E (hue) Chart used: No. 6 400 Bain 31.5 mile
Position Grays Harter Light bears 5 66° E (hum) Chart used: No. 6 400 Edn Drift: Direction Distance
Position Grays Harter Sight bears 5 66° E (hou) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul
Position Grays Harter Sight bears 5 66° E (hou) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul
Position Grays Harter Sight bears 5 66° E (hou) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul
Position Grays Harry Typh bears 5 66° E (hm.) Chart used: No. 6 4 00 Ed'n Drift: Direction Depth of Haul Apparatus and Rig used
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hum) Chart used: No. 6 400 Ed n Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.
Position Grays Harter Sight bears 5 66° E (hur) Chart used: No. 6 400 Edn Drift: Direction Depth of Haul Apparatus and Rig used Time towing h. m.

11-1023					
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Dredge No. 5823 Date, Jely	20,1015
are FIT. 6. /F/	Ulmil 77
Turns Cor'n Depth _	68 fms.
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Character of go 75 has an S	
Bottom The Charles	
Thermon. { Make {Instr {Cor'n }	
(No	
Bottom Reading Cor'd Te	mp
Turns Cor'n Depth Sag. Cup ATMAS (SH. Surp) Ant. Bot'n Sample Character of Bottom Thermon. Make Thermon. Wo. Bottom Reading Cor'd Temp. Surf. Time Density: Surf.	Air 62.50
Density: Surffi	ns.
Density: Surf. fr Wind: Direction N.M. Force Baromet, 30. // Stollards 4 Stollards Weather 50.	3
Baromet 30 // Amt. of of Sta	te of Ty
The one of the state of the sta	ea
weather	
$Direction \ and \ Force \ \begin{cases} Surface \\ of \ Current. \end{cases}$	
Tide	
No. of Contract Contr	
General Locality Off Grup Hashor,	Wash -
General Locality Off Grups Harbor, Position Grays Harbor Light bears 5 65/2.	Wash =
Position Grays Harbor Light bears S 65/2. Chart used: No. 6400 Edin	E (true) distant
Position Grays Harbor Light bears S 65/2. Chart used: No. 6400 Edin	E (true) distant
Position Grace Harbor Light bears S 65%. Chart used: No. 6400 Bd'n Drift: Direction Distan	E (true) distant
Position Grays Harber Light bears \$ 65%. Chart used: No. 6400 Ed'n Drift: Direction Distant Depth of Haul	E (true) distant
Position Grace Harbor Light bears S 65%. Chart used: No. 6400 Bd'n Drift: Direction Distan	E (true) distant
Position Grays Harber Light bears \$ 65%. Chart used: No. 6400 Ed'n Drift: Direction Distant Depth of Haul	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
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Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position grays Harber hight bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distant Depth of Haul Apparatus and Ris used Time towing	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant
Position Grays Harbor Light bears \$ 65/2. Chart used: No. 6400 Ed'n Drift: Direction Distan Depth of Haul Apparatus and Rig used	E (true) distant 29.5 miles

SOUNDING WIRE.			FMS.	DREDGING CABLE.				
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